

Technical Information

OmniManager w/VTR

A full browser based software suite giving you total control over your device. Works on all windows and apple OS, compatible with Chrome, Firefox, and Safari.

- Real Time Live View
- Report Logs
- VTR Control
- Calibration

- Full Networking Suite
- Event Triggers
- Relay Triggers
- Alert Responders

Data Logging & Reporting

The Sentinel V2 supports storage of event logs; including time and date, port ID and resistance level.

- Time and Date
- Port ID
- Port Status

- Event Triggers
- Resistance Level
- Port Calibration

Auto Alerts

Configurable to send email alerts on port status and power status.

- Alert Operator Failure
- Alert Operator Back to Stable
- Alert CIM Failure
- Alert CIM Back to Stable

- Power Interrupt
- High Fault Resistance/Status
- Low Fault Resistance/Status

VTR Technology

Complete control and customization of all monitoring and measurement limits, low and high. Give your device a unique name and description, personalize each operator ID and CIM port (e.g. PCB Jig). VTR Technology is exclusive to Botron ELITE Equipment.

- Complete Range Adjustability for Operator
- Complete Range Adjustability for CIM
- Operator Fail Low from 0 Ω
- Operator Fail High to 45M Ω
- Mat Voltage Low from: 750k Ω
- Mat Voltage High to: 40M Ω
- CIM Voltage Low from: -35V
- CIM Voltage High to: +35V
- Unique Device Name Edit
- Device Description Edit
- Operator Name Edit (2)
- CIM Port Name Edit (2)
- Port Control On/Off
- Relay Controls – On/Off, Delay
- Relay Event Triggers – Operator, CIM, Ground, Mat
- Port Events – Email, Relay, Audible Alarm

CIM Monitoring

Hardware, hand tools and soldering stations can all transfer static charge. The two CIM ports, designed to monitor circuit ground planes for potential ESD events, will alarm and record the event when detecting excess voltage transferred to the circuit board.

- Displays Voltage
- Event Counter
- VTR Controls
- Low Limit Fully Adjustable from -35V

- High Limit Fully Adjustable to +35V
- (2) Banana Type Ports
- Monitor Critical Equipment

Safety Features

- Event Recording
- Hard Ground Detect, Alarm, Display
- Ground Loss – Alarm, Display
- Mat Loss – Alarm, Display
- Additional Grounded Auxiliary Input (each)

- Wrist Strap Park
- Audible Alarm
- Relay Output Control
- LED Indicators, Color Coded
- Email on Power Failure (start up)

LCD Display

With it's bright 128×64 LCD digital display and vivid multi-color LED backlit indicators, the ELITE Sentinel V2 illuminates the device with real time data.

- Wide 3" Backlit LCD Display
- Operator Test Resistance (2)
- Operator Test Voltage (2)
- Operator Name (2)

- Event Detection CIM (2)
- CIM Event Counter (2)
- Mat Resistance
- Ground Connection

Ports & Connections

- **Sentinel Head Unit**
- (1) PLC Output Relay
- (2) RJ11 Data Ports
- (1) RJ45 Ethernet Port

- (1) USB Mini-B Port
- **Remote Operator Box**
- (2) Dual Wire Connectors (each)
- (1) RJ11 Data Port (each)

Relays

Interact with TTL equipped devices. Ability to shut equipment off or on, switch alarms, trigger lights and gates on alert events.

- TTL Communication
- On/Off Functionality
- Switching Capacity 1A 30V DC
- Power Limit Under 30V
- Current Limit Under 1A
- Voltage 30V DC

- 2 Relay Terminals, Screw Type
- Recommended Wire Size 12AWG @ 0-13'
- Recommended Wire Size 10AWG @ 13'-22'
- Configurable Relay Delay

Networking

- MAC Address
- Host Name
- DHCP
- IP Address

- Gateway
- Subnet
- Primary DNS
- Secondary DNS

Test Voltage

- Operator: Open test voltage: 1.25V
- CIM: 1V – 12V

- Mat: Open test voltage: 1.25V

Electrical

- Line voltage: 100-240V AC
- Output: 12V at 1.25amp
- Frequency: 50Hz to 60Hz
- Input: 12V at 900mA

Dimensions

- **Sentinel Head Unit**
- 4.8" x 3.3" x 1"
- 12.2cm x 8.4cm x 2.5cm
- .6lb (.27kg)
- **Operator Box**
- 1.95" x .8" x 1.4"
- 5cm x 2cm x 3.55cm
- .05lb (.02kg)

What's in the Box

- (1) B92900 ELITE Sentinel
- (2) Remote Operator Boxes
- (1) 12V DC Power Cord
- (1) USB Cable, A-Male to Mini B
- (1) Ground & Mat Cord Connection Kit
- (1) RJ45 Cable
- (2) RJ11 Cables
- (2) CIM Interface Cables (Banana to Banana Type)